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List of Vertebrate Fossils from
Bozeman Lake Beds south of
Logan, Montana. Collected during
the summer of 1894 by Earl Douglass

- No. 1. Long bone of bird?
2. 3 vertebrae.
3. Head of Tibia.
4. Large calcaneum.
5. Portion of jaw of Palaeorypa??
6. Very small bones from clay.
7. Occipital condyle.
8. Bone found while digging elephant No. 2.
9. Lower extremity of humerus found
near Elephant. No. 2.
10. Fragments of bone found with No. 9.
11. Part of Lower Jaw.
12. Rib.
13. Part of large atlas Petrified. If when
complete I judge must have been

about 20 inches wide.

14. Front part of jaw. 6 teeth. Orodont??
15. Piece of jaw with one tooth.
16. One side of skull and upper jaw.
jaw, sand.
17. Cervical vertebra. petrifed
18. Part of bone from gravel
19. Scapula. medium size.
20. Fragment of jaw. poor specimen.
21. Front part of lower jaw with 2 incisors.
22. Fragments of jaw.
23. Portion of jaw with one tooth and
fragments of others.
24. End of bone.
25. Small jaw Bone with 4 teeth
26. Portion of small jaw with 3 molar teeth
27. Part of lower jaw with six? molars.
28. Long tooth. 5 or 6 in long.
- 29 + 29a 2 long bones of birds? from different places.
30. Small fragments of jaw and teeth.
31. Part of lower jaw. quite large.

32. Long vertebra and forked bone found together.
- 32a. Fragment of jaw in gravel. (I think I have marked the specimen 32 making two 32's)
33. Small box containing Astraguli, calcaneum &c.
34. Box containing bones of Pelvis &c.
35. Box containing odder and ends.
- 33, 34, 35: are, I believe, all cigar boxes containing small bones. mostly petrified from sand mostly. They were found, usually, one bone in a place.
36. socket of Pelvis.
37. Scapula.
38. Three bones of Toes.
39. Small vertebra.
40. Lower end of Femur.
41. Several specimens found on bluff east of Mr Harris Sept: 14. Contains part of jaw with one tooth.
42. End of Tibia and another fragment.
43. Lower end of Femur.
44. " " " Humerus
45. " " " Humerus.
46. " " " Scapula
47. Metapodial Bone?

48. Part of Antler.
49. Humerus from thin stratum containing many fragments of bones.
50. Occipital condyle.
51. Scapula. large.
52. Centrum of vertebra.
53. Two portions of vertebrae. Perhaps from same individual.
54. Cigar box full of Teeth 50675 in number.
55. Fragments of various kinds.
56. Forked Bone. Melapodial?
57. Lower end of Tibia.
58. Lower end of Tibia.
59. Part of Pelvic bone.
60. Part of head of large Humerus.
61. X no. 2. About size of X. Bones of legs. hip &c.
62. Calcaneum.
63. Scapula.
64. Lower end of Femur.
65. Melapodial Bone?
66. Rib.
67. Long bone with holes like worm holes.
68. Lower jaw and one other bone.
69. Incisors.

70. Front part of Jaw with only fragments of teeth.
71. Little short bone.
72. Small tooth and fragments of bone.
73. Part of long bone.
74. Vertebra of Fish?
75. Small portion of Jaw with 2 teeth.
76. Bones of Foot?
77. Part of Axis.
78. Part of Humerus.
79. Astragalus
80. Tooth in Clay.
81. End of bone. Turtle?
82. 2 fragments.
84. Small bone in gravel.
85. Cast of Bone.
86. Part of quite large Jaw.
87. Part of Skull with Brain case.
89. Lower end of Humerus.
90. Humerus.
91. Large volva.
92. Large Humerus in conglomerate.
93. Part of large bone (X no. 5)
94. Part of Jaw &c. Elephant - No. 1.

95. x no. 3. Several bones
96. x no. 4
97. x. Bones of leg, vertebrae, ribs &c.
An animal larger than an ox.
x here represents an unknown thing
instead of an unknown quantity.
98. About 12 dozen little bones from Turtle?
99. Turtle No. 1.
- 100 Bone of Turtle.
- 100 Turtle No. 11.
- 102 Turtle no. 10
- 103 Turtle no. 5
- 104 Turtle No. 1
- 105 Turtle No 7
- 106 Turtle No. 7a.
- 107 Turtle No. 7. b
- 108 Turtle No. 6
109. Turtle No. 4.
- 110 Turtle No. 8 small.
- 111 Turtle fragments.
- 112 Small fragments of jaw and portions
of teeth.
- 112^a Fragments.
113. Jaw broken in pieces.

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114. Portions of Jaw.
 115. Hip socket: Calcaneum and small bone found together.
 116. Box of Odds and Ends.
 117. End of Femur.
 118. End of large Tibia.
 119. Fragment of Bone.
 120. Tibia
 121. Tooth
 122. Socket of Hip.
 123. Skull in conglomerate. About size of small horse
 124. Fragment of large bone in weathered pocket in conglomerate.
 125. Another skull in gravel or conglomerate. Perhaps same species as No. 123.

Elephant-No. 2.

I call this an Elephant - because I do not know what else to call it. It is undoubtedly nearly related ^{to the elephants} as it had a large tusk about 5 inches through, and as I remember it about 3 1/2 ft. long, blunt at the end as though it had been worn off. Among the specimens are fragments from end of tusk, also the largest ones I could get from other parts. It broke into hundreds of pieces and seemed to be composed of concentric layers.

The teeth were also broken into small pieces except some larger fragments, and one small tooth. The skull also broke into many pieces and the vertebra would fall in pieces as soon as the sandy matrix was removed.

Just above the sand from which I dug this elephant was clay. Below was clay also.

I call this elephant - No. 2 as I found fragments of skull and jaw of what appears to be the same species, previous to this and have labelled it - elephant - No. 1.

These specimens were found in the Byerman Lake Beds about 12 miles south of Tugan, perhaps 150 ft. above the whole nearly formation which is seen a good show of the way along the bluffs on the east side of the Madison from near Tugan south for about - 18 or 20 miles.

There are still a good many fragments of the bones of this animal left on the ground but I saved what seemed to be the best.

I found also a few bones of one or more other animals while digging out - this one (No. 2)

The bones of this individual most of them are packed in a large box about 15' x 22' x 42 inches but portions of teeth and several whole phalanges &c bones are in a pasteboard box packed in another wooden

Notes.

Ele. No 2.

wooden box. As the small box can be sent first. and it can then be determined whether it is best to send the large box.

Turtles.

There are parts of 15 or 20 different turtles. I do not know whether they are the same species or not. If they are I think in the lot. I have all breeds nearly represented. The shells are all in a fragmentary condition. Some pieces perhaps as large as one hand or larger.

The turtles are the most numerous.

The shell of turtle No. 10. (The most complete one) I left near the bluffs and did not have time to get it home but can get it if necessary.